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#### IN THE CLAIMS:

#### Please amend the claims as follows:

#### 1-2. (Currently canceled)

- 3. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO:1, or has at least about 60% similarity to SEQ ID NO:1, or hybridizes to SEQ ID NO:1 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 4. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 3, or has at least about 60% similarity to SEQ ID NO: 3, or hybridizes to SEQ ID NO:3 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 5. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 5, or has at least about 60% similarity to SEQ ID NO: 5, or hybridizes to SEQ ID NO: 5 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 6. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 7, or has at least about 60% similarity to SEQ ID NO: 7, or hybridizes to SEQ ID NO: 7 under low stringency conditions, wherein said conditions comprise hybridization at 42°C

in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.

7. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 9, or has at least about 60% similarity to SEQ ID NO: 9, or hybridizes to SEQ ID NO: 9 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.

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- 8. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 14, or has at least about 60% similarity to SEQ ID NO: 14, or hybridizes to SEQ ID NO:14 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 9. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 16, or has at least about 60% similarity to SEQ ID NO: 16, or hybridizes to SEQ ID NO: 16 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 10. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 18, or has at least about 60% similarity to SEQ ID NO: 18, or hybridizes to SEQ ID NO: 18 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.

- 11. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 20, or has at least about 60% similarity to SEQ ID NO: 20, or hybridizes to SEQ ID NO: 20 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 12. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 22, or has at least about 60% similarity to SEQ ID NO: 22, or hybridizes to SEQ ID NO: 22 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 13. (Currently amended) The An isolated nucleic acid molecule according to claim 2, wherein said nucleic acid molecule comprises a comprising the nucleotide sequence as set forth in SEQ ID NO: 24, or has at least about 60% similarity to SEQ ID NO: 24, or hybridizes to SEQ ID NO: 24 under low stringency conditions, wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 14. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 2 or an amino acid sequence having at least about 50% similarity thereto.
- 15. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 4 or an amino acid sequence having at least about 50% similarity thereto.

- 16. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 6-or an amino acid sequence having at least about 50% similarity thereto.
- 17. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 8-or an amino acid sequence having at least about 50% similarity thereto.

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- 18. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 10 or SEQ ID NO:11 or SEQ ID NO:12 or SEQ ID NO:13 or an amino acid sequence having at least about 50% similarity thereto.
- 19. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 15 or an amino acid sequence having at least about 50% similarity thereto.
- 20. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 17-or an amino acid sequence having at least about 50% similarity thereto.
- 21. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 19 or an amino acid sequence having at least about 50% similarity thereto.

- 22. (Currently amended) The An isolated nucleic acid molecule according to claim-2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 21-or an amino acid sequence having at least about 50% similarity thereto.
- 23. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 23-or an amino acid sequence having at least about 50% similarity thereto.
- 24. (Currently amended) The An isolated nucleic acid molecule according to claim 2 comprising a sequence of nucleotides encoding or complementary to a sequence encoding anthe amino acid sequence as set forth in SEQ ID NO: 25 or an amino acid sequence having at least about 50% similarity thereto.

#### 25. (Previously canceled)

- 26. (Currently amended) A genetic construct capable of reducing expression of an endogenous gene encoding a flavonoid 3'-hydroxylase in a plant, said genetic construct comprising a nucleotide sequence selected from the group consisting of:
  - a nucleotide sequence encoding thean amino acid sequence selected from the group consisting of set forth in one of SEQ ID NO:2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 15, SEQ ID NO: 17, SEQ ID NO: 19, SEQ ID NO: 21, SEQ ID NO: 23, or and SEQ ID NO: 25; and
  - (ii) thea nucleotide sequence selected from the group consisting of set forth in one of SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 7, SEQ ID NO: 14, SEQ ID NO: 16, SEQ ID NO: 18, SEQ ID NO: 20, SEQ ID NO: 22 or SEQ ID NO: 24, or and the coding region in SEQ ID NO: 9;
  - (iii) a nucleotide sequence having at least about 60 % similarity to (i) or (ii); and

- (iv) a nucleotide sequence which hybridizes under low stringency conditions to (i), (ii) or (iii) wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.
- 27. (Currently amended) A method for producing a transgenic plant which synthesizes a flavonoid 3'-hydroxylase, said method comprising stably transforming a cell of a plant with athe nucleic acid molecule according to any one of claims 3-24which comprises a sequence of nucleotides encoding said flavonoid 3'-hydroxylase under conditions wherein said nucleic acid molecule is expressed, regenerating a transgenic plant from the transformed cell, and growing said transgenic plant for a time and under conditions wherein the nucleic acid molecule is expressed.

28-29. (Currently canceled)

30. (Currently amended) The method according to claim 27 or 28 wherein said plant is selected from the group consisting of petunia, carnation, chrysanthemum, rose, snapdragon, tobacco, cornflower, pelargonium, lisianthus, gerbera, apple, iris, lily, African violet and morning glory.

#### 31-32. (Currently canceled)

- 33. (Currently amended) A transgenic plant having tissue exhibiting altered colour, said transgenic plant comprising a nucleic acid molecule which comprises comprising a sequence of nucleotides selected from the group consisting of:
  - (i) a nucleotide sequence encoding thean amino acid sequence selected from the group consisting of set forth in one of SEQ ID NO:2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 15, SEQ ID NO: 17, SEQ ID NO: 19, SEQ ID NO: 21, SEQ ID NO: 23, or SEQ ID NO: 25; and

- (ii) thea nucleotide sequence set forth in one of selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 7, SEQ ID NO: 14, SEQ ID NO: 16, SEQ ID NO: 18, SEQ ID NO: 20, SEQ ID NO: 22 or SEQ ID NO: 24, or and the coding region in SEQ ID NO: 9;
- (iii) a nucleotide sequence having at least about 60 % similarity to (i) or (ii); and
- (iv) a nucleotide sequence which hybridizes under low stringency conditions to (i), (ii) or (iii) wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.

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- 34. (Currently amended) The cut flower from athe transgenic plant according to claim
- 35. (Currently amended) The seed from athe transgenic plant according to claim 33.
- 36. (Currently amended) The fruit from athe transgenic plant according to claim 33.
- 37. (Currently amended) The leaf from athe transgenic plant according to claim 33.
- 38-39. (Previously canceled)